

$\text{LiVPO}_4\text{F}$

Crystal system : Triclinic  
Space group no : P-1/ (1)  
 $a = 5.1738$  (0.002)  
 $b = 5.3096$  (0.002)  
 $c = 7.2503$  (0.001)  
 $\alpha = 72.4794$  (0.06)  
 $\beta = 107.7677$  (0.04)  
 $\gamma = 81.3757$  (0.04)  
UC vol =  $174.53 \text{ \AA}^3$

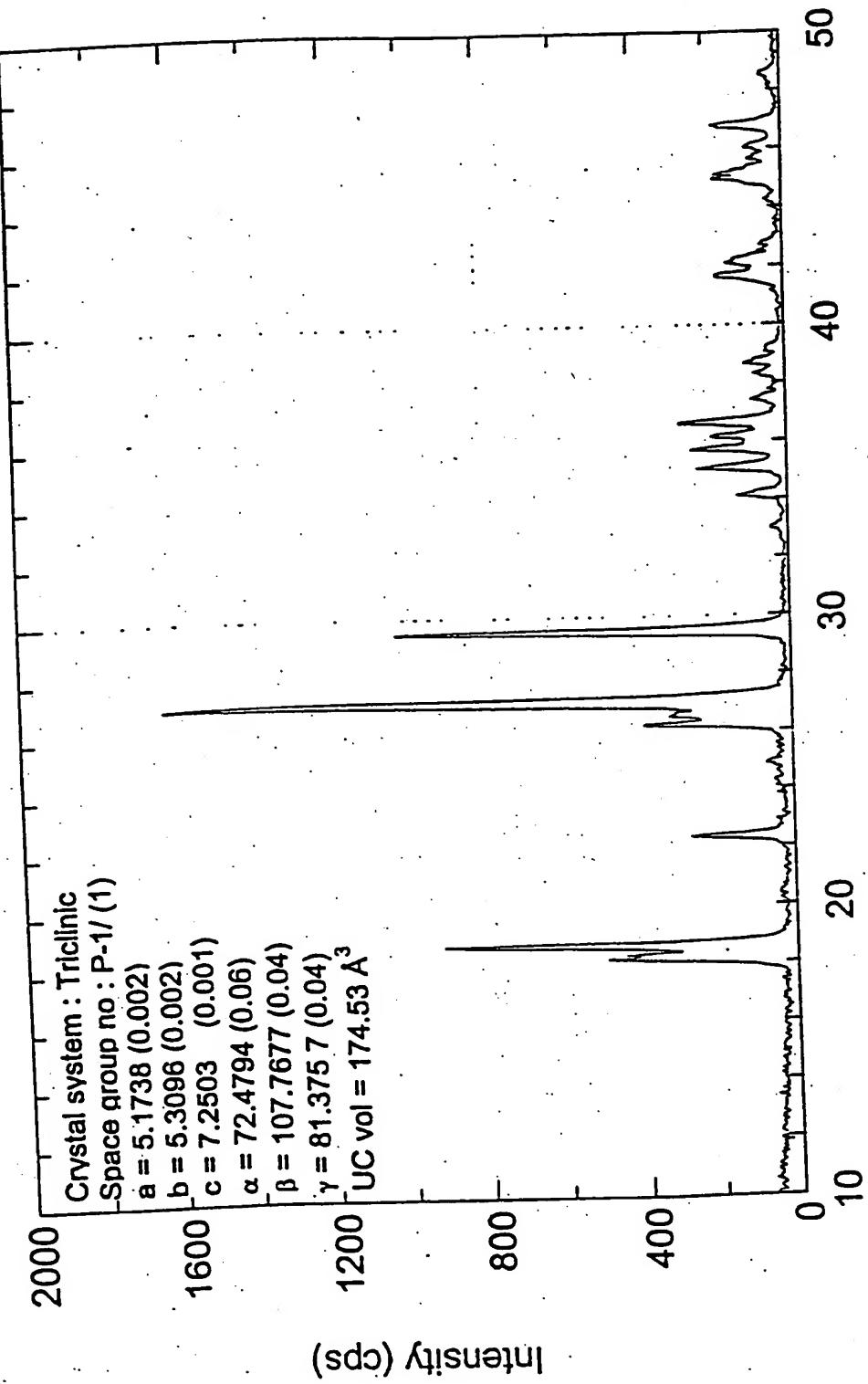


Figure 1

Li<sub>1</sub>V<sub>0.4</sub>O<sub>4</sub>F 700C/15mins/Box Oven 29.4 mg active

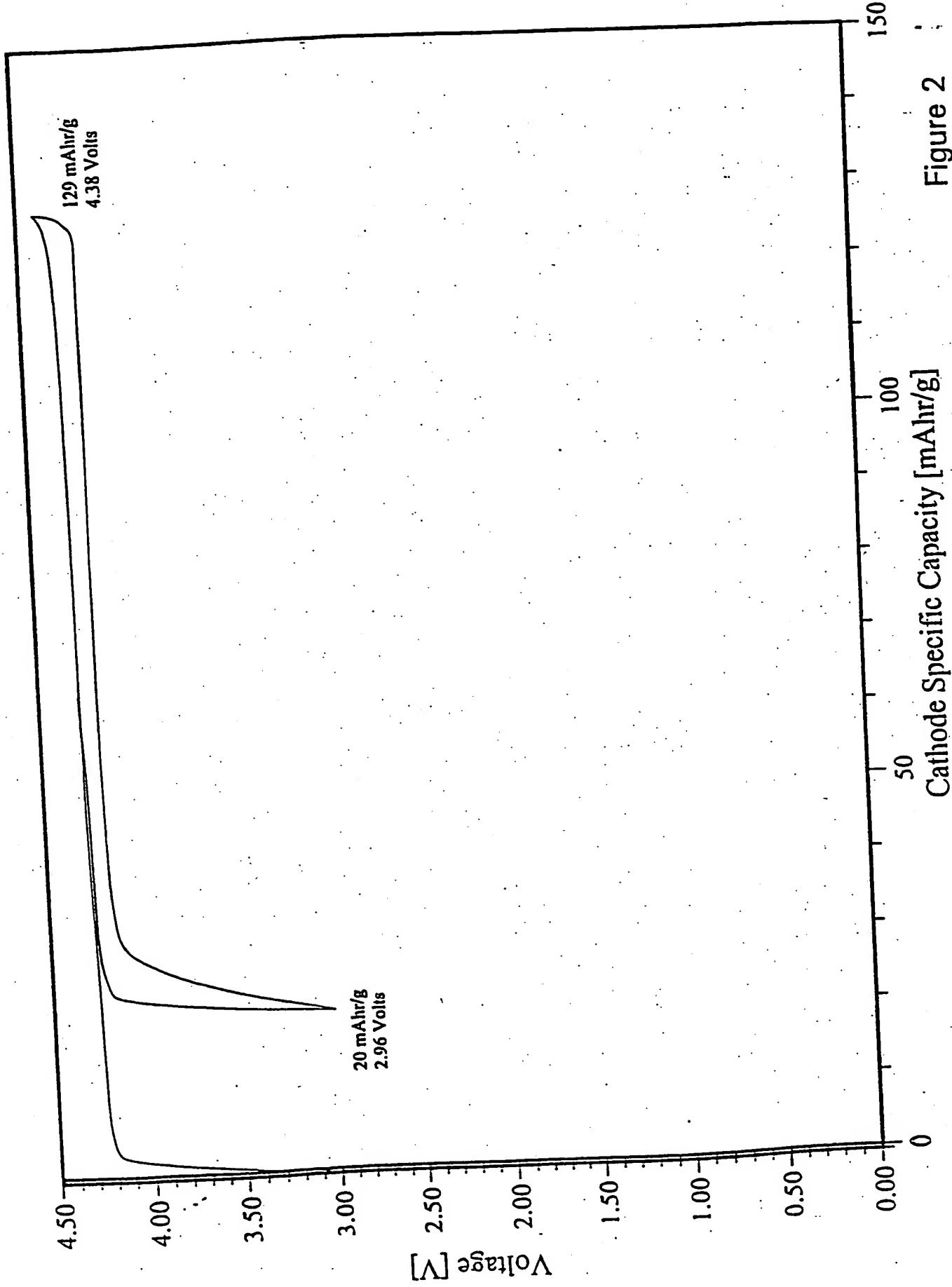


Figure 2  
Cathode Specific Capacity [mAh/g]

LiVPO<sub>4</sub>F

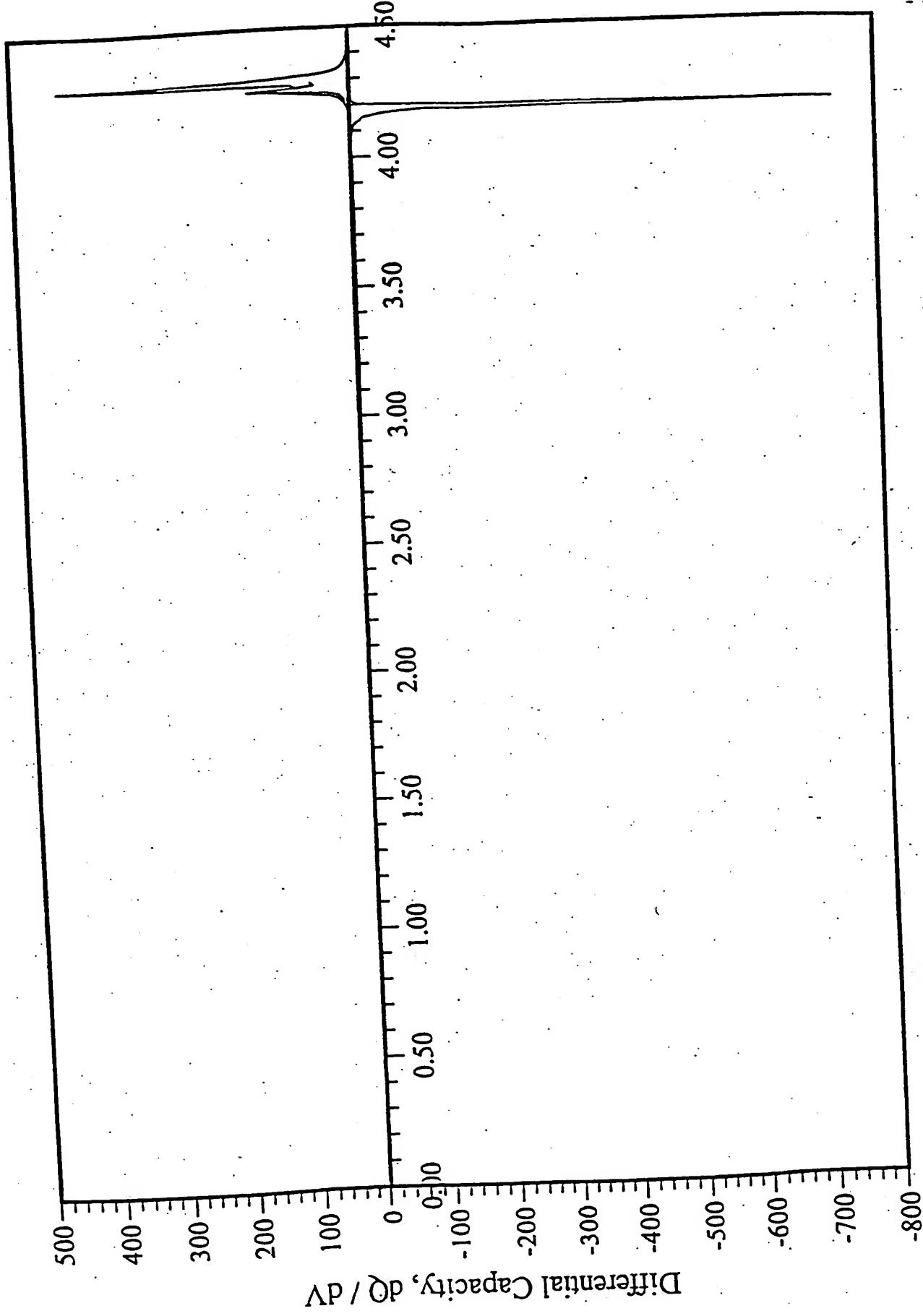


Figure 3

Voltage [V]

$\text{LiFePO}_4\text{F}$

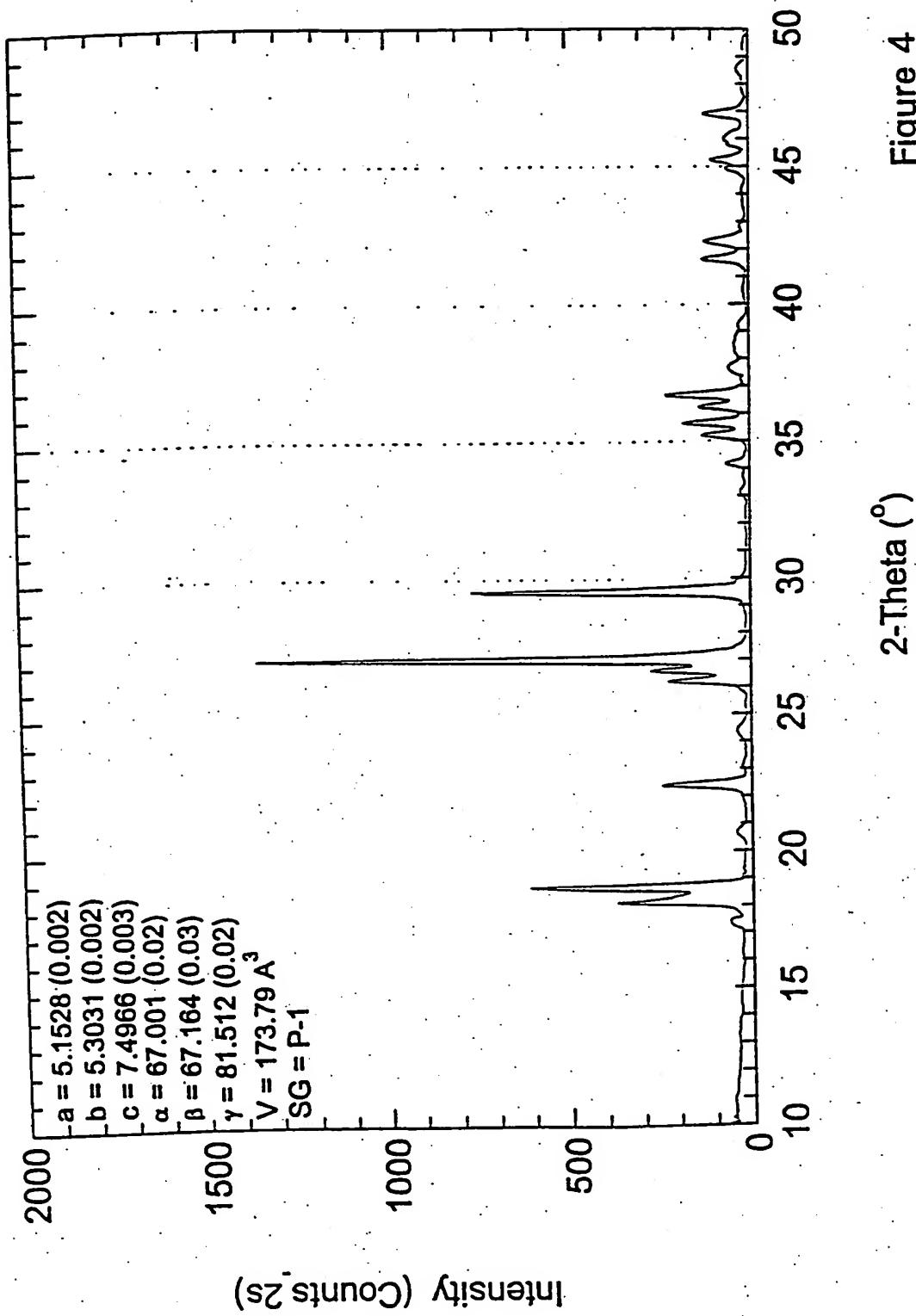


Figure 4

$\text{LiTiPO}_4\text{F}$

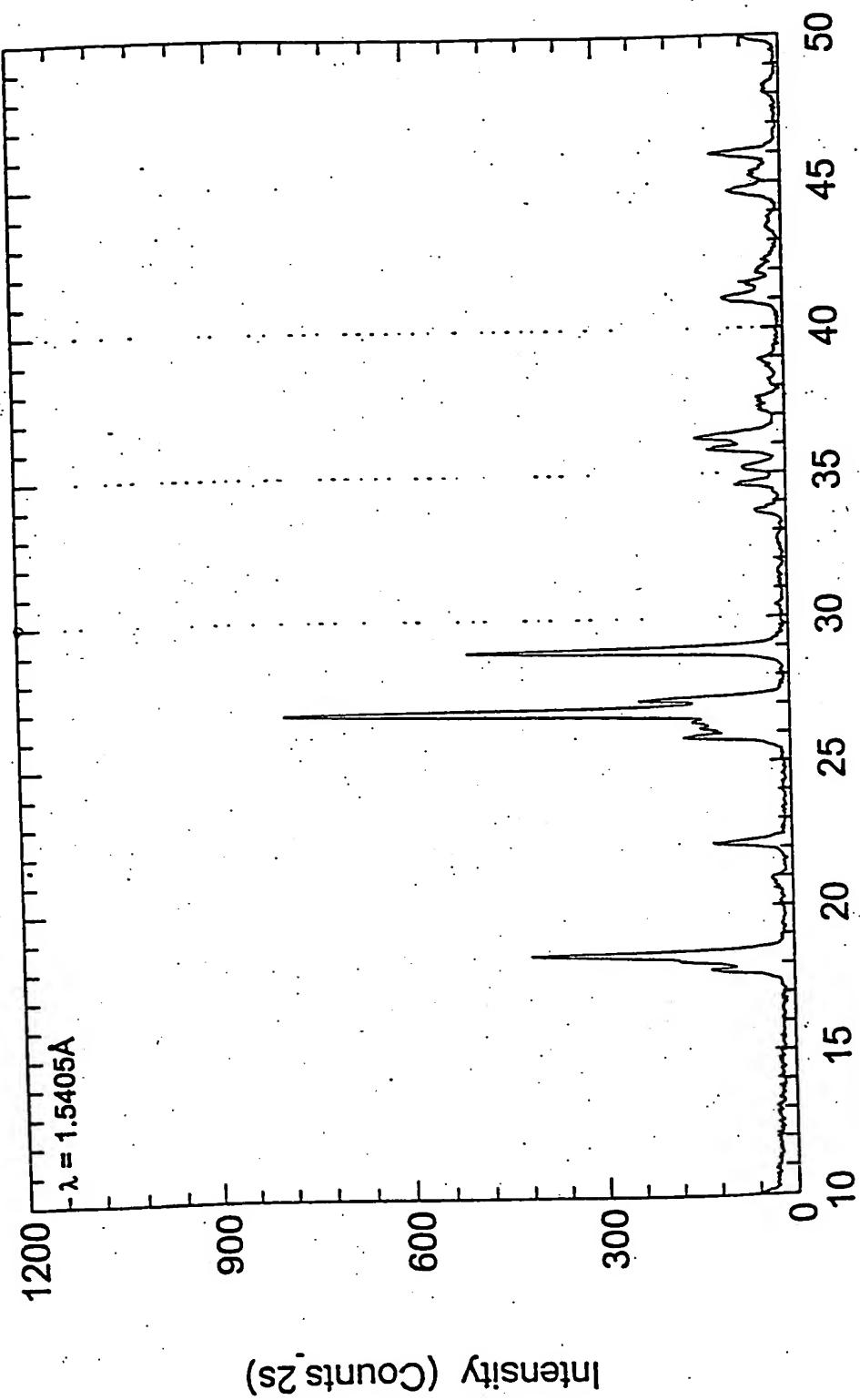


Figure 5

$\text{LiCrPO}_4\text{F}$

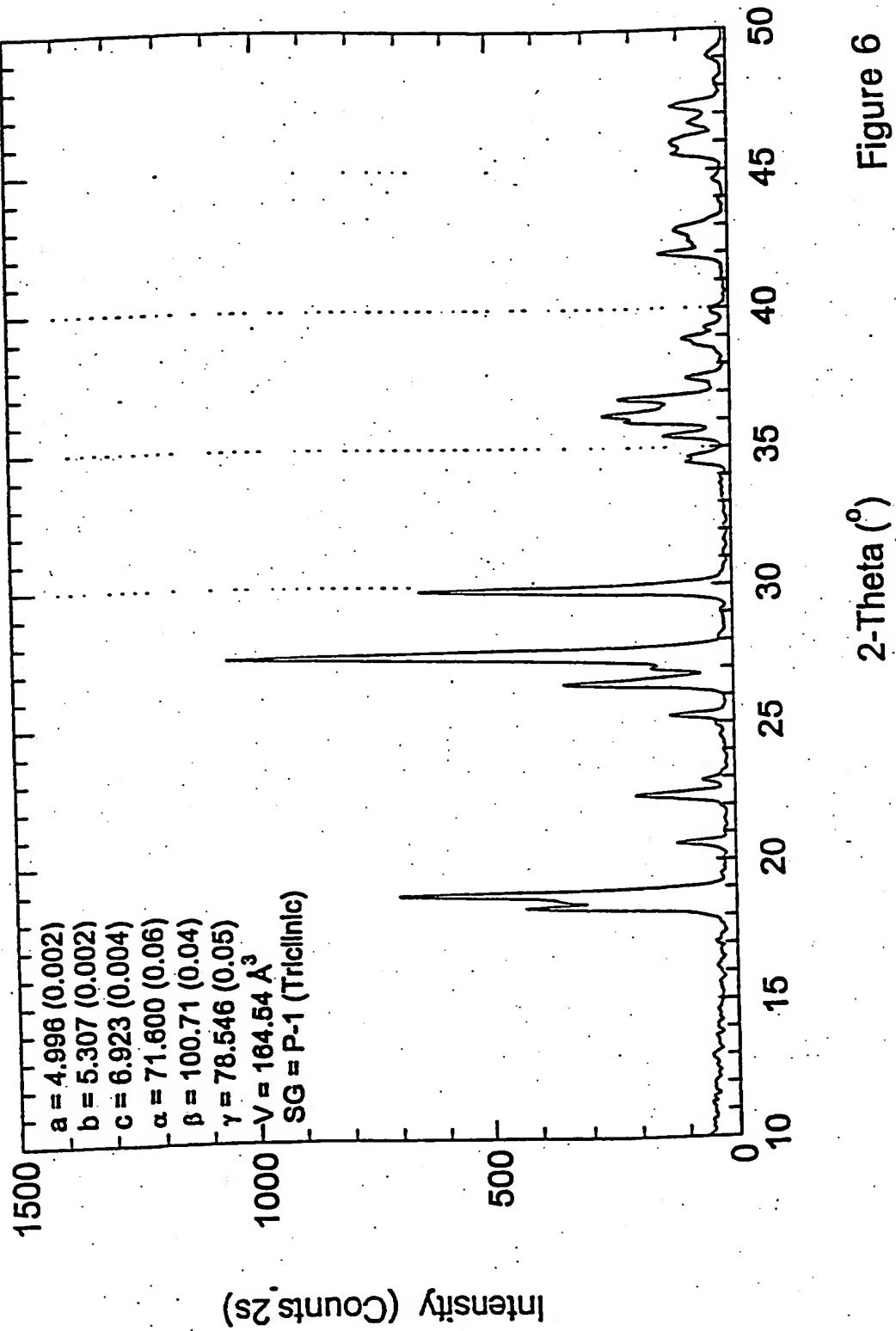


Figure 6

2-Theta ( $^{\circ}$ )

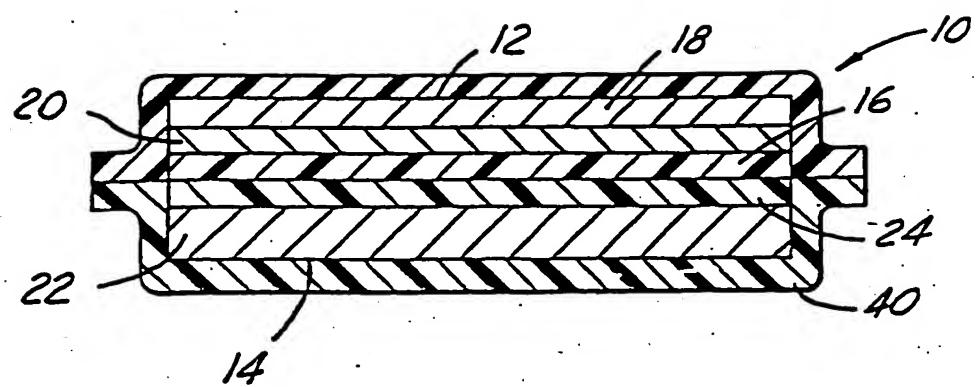


Figure 7

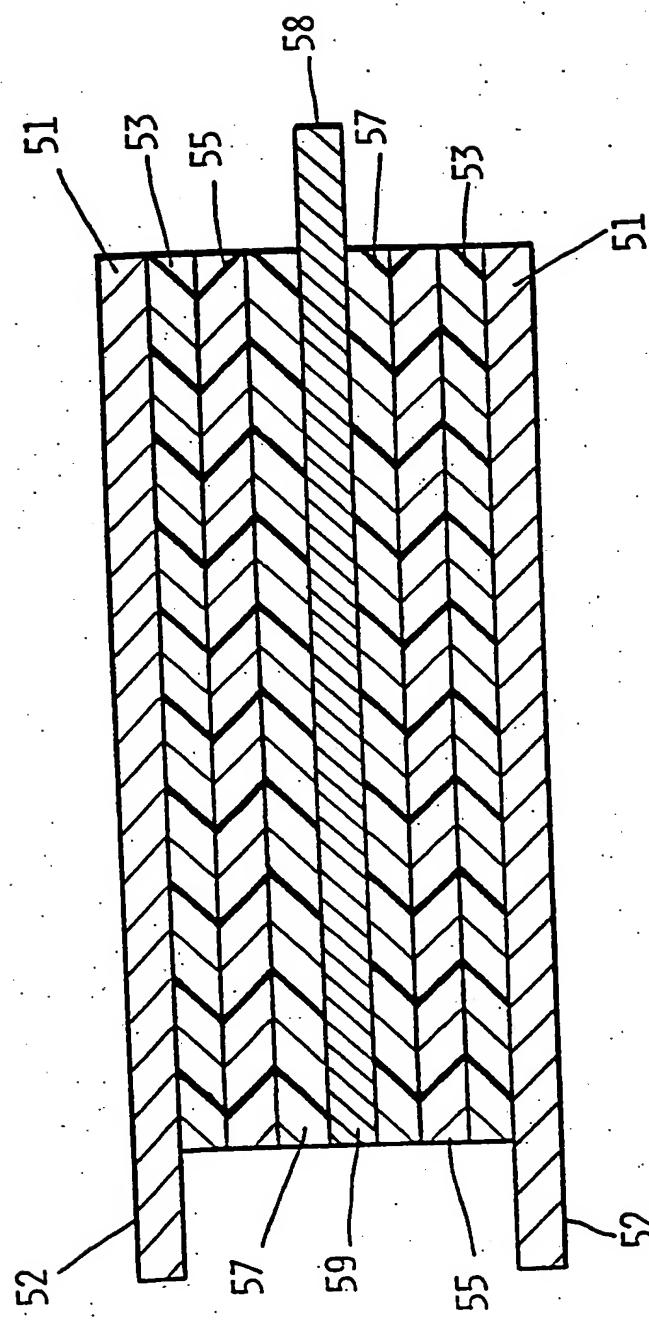


Figure 8

(LiFePO<sub>4</sub> - Fe reduction / 50% - 8hrs))

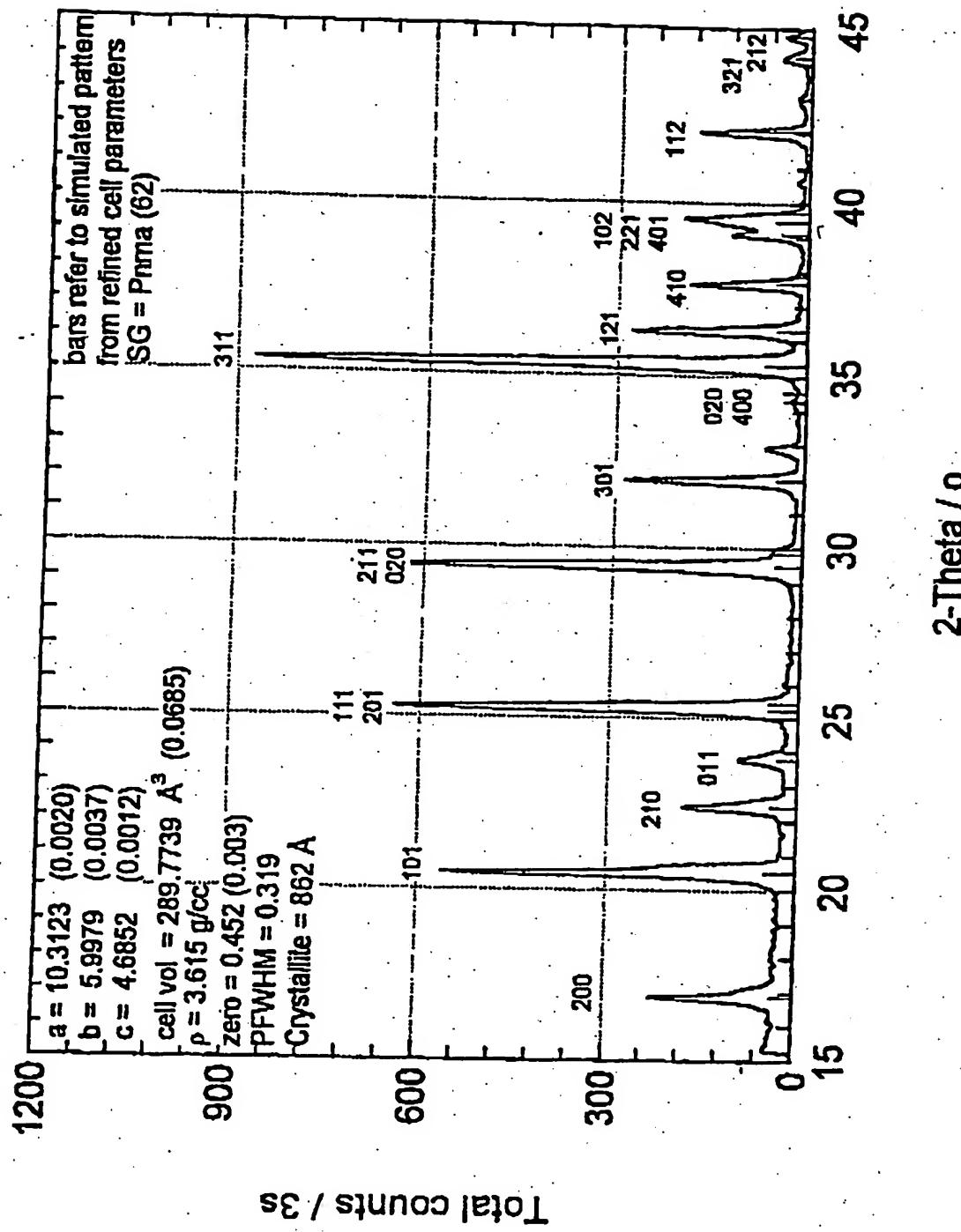


Figure 9

LiFePO<sub>4</sub> Prepared by Fe reduction method 10.7 mg active

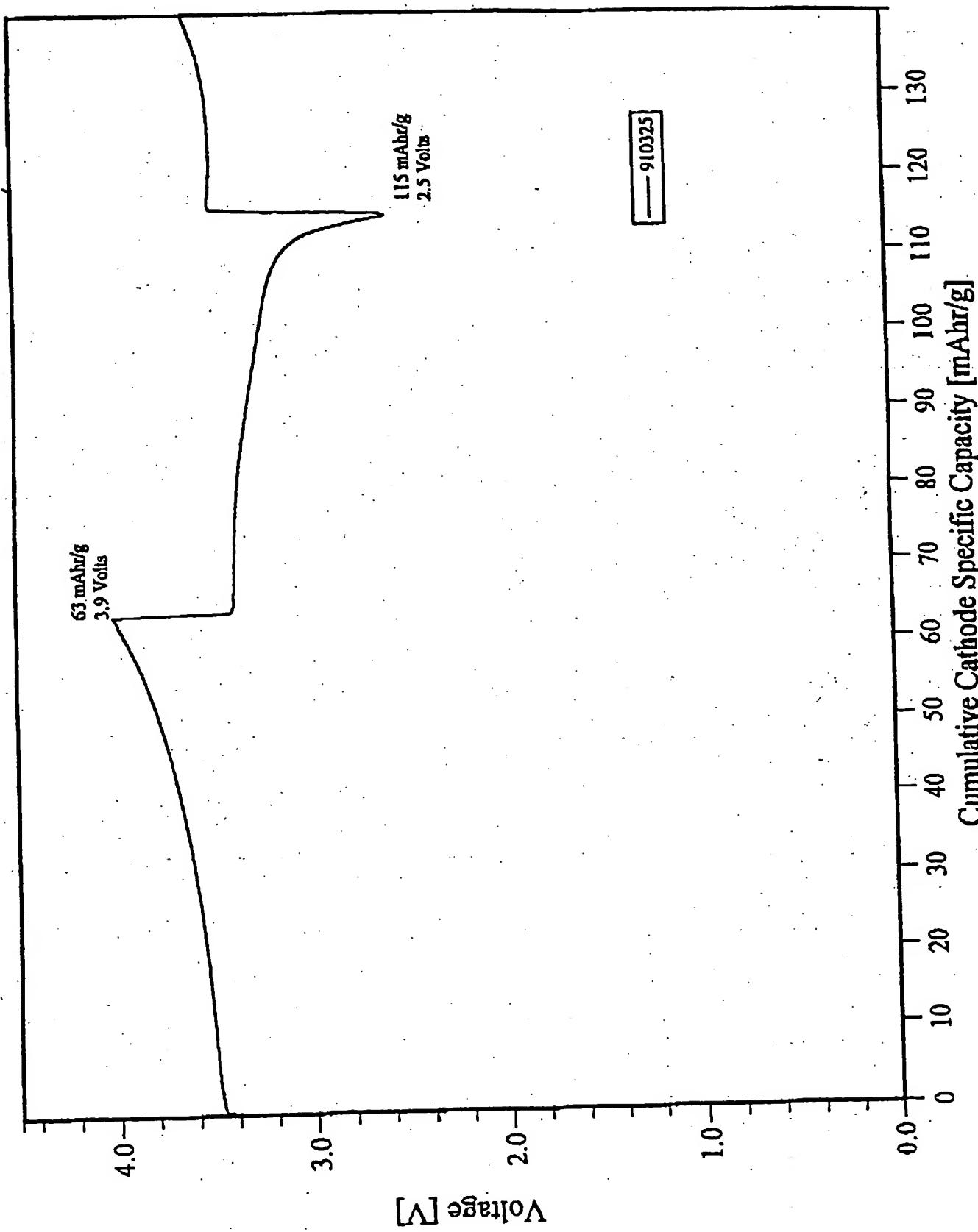


Figure 10